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WHAT IS CLAIMED IS:

1. A computer-implemented method of designing a device comprising:
detecting a symptom of a device design;
diagnosing the symptom; and
performing at least one activity following the diagnosing the symptom.
2. The computer-implemented method of claim 1, wherein performing the at least one activity comprises determining at least one potential root cause of the symptom.
3. The computer-implemented method of claim 2, further comprising sending to an operator information on at least one potential root cause.
4. The computer-implemented method of claim 1, wherein performing the at least one activity comprises proposing at least one remedy to be applied to the device design.
5. The computer-implemented method of claim 4, further comprising sending to an operator information on the at least one remedy.
6. The computer-implemented method of claim 4, further comprising receiving input from an external source, wherein the input comprises a selection of a specific remedy.

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7. The computer-implemented method of claim 4, further comprising testing or executing the at least one remedy without any human intervention.
8. The computer-implemented method of claim 4, further comprising changing a subsequent process flow after proposing the at least one remedy.
9. The computer-implemented method of claim 4, further comprising switching from one design tool to another design tool.
10. The computer-implemented method of claim 1, further comprising manufacturing the electronic device in accordance with the design.
11. The computer-implemented method of claim 1, further comprising automatically generating a control for executing at least one design tool.
12. The computer-implemented method of claim 1, further comprising:
generating data using a device design source;
analyzing the generated data; and
testing or executing at least one of the one or more remedies,
wherein performing the at least one activity comprises proposing one or more remedies.

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13. A computer-implemented method of designing a device comprising:
 - reaching a decision point, wherein a first remedy is proposed;
 - selecting the first remedy;
 - executing on the first remedy; and
 - backtracking to the decision point and selecting a second remedy.
14. The computer-implemented method of claim 13, further comprising detecting a symptom before reaching the decision point.
15. The computer-implemented method of claim 13, further comprising proposing the second remedy after executing on the first remedy.
16. The computer-implemented method of claim 13, further comprising manufacturing the electronic device in accordance with the design.
17. The computer-implemented method of claim 13, further comprising retaining information regarding the second remedy at least between the times of selecting the first remedy and backtracking.

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18. A computer-implemented method of designing an electronic device comprising:
reaching a decision point, wherein a first remedy and a second remedy are proposed;
testing or executing the first remedy and the second remedy, wherein the first remedy has a higher priority compared to the second remedy; and
switching priorities, so that the second remedy has a higher priority compared to the first remedy.

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19. A data processing system readable medium having code embodied therein, the code comprising:
 - an instruction for detecting a symptom of a device design;
 - an instruction for diagnosing the symptom; and
 - an instruction for performing at least one activity following the diagnosing the symptom.
20. The data processing system readable medium of claim 19, wherein the instruction for performing the at least one activity comprises an instruction for determining at least one potential root cause of the symptom.
21. The data processing system readable medium of claim 20, wherein the code further comprises an instruction for sending to an operator information on at least one potential root cause.
22. The data processing system readable medium of claim 21, wherein the instruction for performing the at least one activity comprises an instruction for proposing at least one remedy to be applied to the device design.
23. The data processing system readable medium of claim 19, wherein the code further comprises an instruction for sending to an operator information on the at least one remedy.

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24. The data processing system readable medium of claim 19, wherein the code further comprises an instruction for processing input from an external source, wherein the input comprises a selection of a specific remedy.
25. The data processing system readable medium of claim 19, wherein the code further comprises an instruction for testing or executing the at least one remedy without any human intervention.
26. The data processing system readable medium of claim 19, wherein the code further comprises an instruction for changing a subsequent design flow after proposing the at least one remedy.
27. The data processing system readable medium of claim 19, wherein the code further comprises an instruction for switching from one design tool to another design tool.
28. The data processing system readable medium of claim 19, wherein the code further comprises an instruction for automatically generating a control for executing at least one design tool.

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29. The data processing system readable medium of claim 19,
wherein the code further comprises:
an instruction for generating data using a device design
source;
an instruction for analyzing the generated data; and
an instruction for testing or executing at least one of the
one or more remedies,
wherein the instruction for performing the at least one
activity comprises an instruction for proposing one or
more remedies.

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30. A data processing system readable medium having code embodied therein, the code comprising:
 - an instruction for selecting a first remedy in response to reaching a decision point, wherein the first remedy is proposed;
 - an instruction for executing on a the first remedy; and
 - an instruction for backtracking to the decision point and selecting the second remedy.
31. The data processing system readable medium of claim 30, wherein the code further comprises an instruction for detecting a symptom before reaching the decision point.
32. The data processing system readable medium of claim 30, wherein the code further comprises an instruction for proposing the second remedy, wherein the instruction for proposing the second remedy is performed after executing on the first remedy.
33. The data processing system readable medium of claim 32, wherein the first remedy is not executed after executing the instruction for backtracking.
34. The data processing system readable medium of claim 30, wherein the code further comprises an instruction for retaining information regarding the second remedy at least between the times of selecting the first remedy and backtracking.

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35. A data processing system readable medium having code embodied therein, the code comprising:

- an instruction for proposing a first remedy and a second remedy;
- an instruction for testing or executing the first remedy and the second remedy, wherein the first remedy has a higher priority compared to the second remedy; and
- an instruction for switching priorities, so that the second remedy has a higher priority compared to the first remedy.

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36. A method of manufacturing an electronic device comprising:
receiving a design for the electronic device, wherein the
design was generated using a computer-implemented
method, wherein the computer implemented method
comprises:

detecting a symptom of a device design;
diagnosing the symptom; and
performing at least one activity following the
diagnosing the symptom; and
manufacturing the electronic device in accordance with the
design.